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Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet	1	of	1
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Complete if Known

Application Number	09/914,397
Filing Date	August 28, 2001
First Named Inventor	Sabine BUB et al.
Group Art Unit	Unassigned 1636
Examiner Name	Unassigned DAVID LAMBERTSON
Attorney Docket Number	38485-0006

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

David Coulter

Date
Considered

7/5/02

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Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p>		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>09/914,397</td> </tr> <tr> <td>Filing Date</td> <td>August 28, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Sabine BUB et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned 1636</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned DAVID LAMBERTSON</td> </tr> <tr> <td>Attorney Docket Number</td> <td>38485-0006</td> </tr> </table>		Application Number	09/914,397	Filing Date	August 28, 2001	First Named Inventor	Sabine BUB et al.	Group Art Unit	Unassigned 1636	Examiner Name	Unassigned DAVID LAMBERTSON	Attorney Docket Number	38485-0006
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U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
DL	A01	5,302,530		Klein et al.	4/12/94	
DL	A02	5,595,878		Sood et al.	1/21/97	

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DL	A03	EP	0 854 197	A2	F. Hoffman-LaRoche AG	07/22/1998		

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Sheet	2	of	3

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DL	A04	MIKHAIL F. ALEXEYEV et al., "Improved antibiotic-resistance gene cassettes and omega elements for Escherichia coli vector construction and in vitro deletion/insertion mutagenesis", Gene, 1995, pp. 63-67, Vol. 160	
DL	A05	H. TROESTER, "Artificial sequence, fragment from B1 KS (+) 27xSK containing SK primer elements", February 2, 1999, Database Genembl 'Online!	
DL	A06	MOISE BENDAYAN et al., "Electron Spectroscopic Imaging for High Resolution Immunocytochemistry: Use of Boronated Protein A", The Journal of Histochemistry and Cytochemistry, pp. 573-579, 1989	
DL	A07	RICHARD T. GIBERSON et al., "The Influence of Immunogold Particle Size on Labeling Density", Microscopy Research and Technique, 1994, pp. 355-357, Vol. 27	
DL	A08	UTE GOLLA et al., "Theoretical and Experimental Investigations of Resolution and Detection Limits in Energy-Filtering Electron Microscopy", Micron, 1997, pp. 397-406, Vol. 28, No. 5	
DL	A09	SUBHASH C. GUPTA et al., "Biological Limitations on the Length of Highly Repetitive DNA Sequences that May be Stably Maintained Within Plasmid Replicons in Escherichia Coli", Bio/Technology, September 1983	
DL	A10	M.J. HENDZEL et al., "Probing Nuclear Ultrastructure by Electron Spectroscopic Imaging", Journal of Microscopy, April 1996, pp. 1-14, Vol. 182, pt. 1	
DL	A11	BERND HOFER, "Construction and Stability of a Sixfold Repeated Artificial Gene", Eur. J. Biochem., 1987, pp. 307-313, Vol. 167	
DL	A12	TOMAS KEMPE et al., "Multiple-copy genes: production and modification of monomeric peptides from large multimeric fusion proteins", Gene, 1985, pp. 239-245, Vol. 39	
DL	A13	M.M. KESSELS et al., "Immunocytochemistry by Electron Spectroscopic Imaging Using Well Defined Boronated Monovalent Antibody Fragments", Scanning Microscopy Supplement, 1996, pp. 327-344, Vol. 10	
DL	A14	MAREK MALECKI et al., "Preparation of Plasmid DNA in Transfection Complexes for Fluorescence and Electron Spectroscopic Imaging", Scanning Microscopy Supplement, 1996, pp. 1-16, Vol. 10	

Examiner Signature	<i>David Lambertson</i>	Date Considered	7/5/02
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DL	A15	M.G. MARINUS et al., "Isolation of Deoxyribonucleic Acid Methylase Mutants of Escherichia Coli K-12", Journal of Bacteriology, June 1973, pp. 1143-1150, Vol. 114, No. 3	
DL	A16	* Current Protocols in Molecular Biology, Vol. 1, Copyright 1994-1998 by John Wiley & Sons, Inc.	
DL	A17	* J. SAMBROOK, "Molecular Cloning A Laboratory Manual", Second Edition, Cold Spring Laboratory Press (1989)	
DL	A18	* "Electron Microscopy in Molecular Biology A Practical Approach", J. Somerville et al. (eds), IRL Press, 1987	
DL	A19	MICHAEL F. TRENDLENBURG et al., "Visualizing Active Genes", Electron Microscopy in Molecular Biology, 1987, pp. 101-146	
DL	A20	B. QUALMANN et al., "Electron Spectroscopic Imaging of Antigens by Reaction with Boronated Antibodies", Journal of Microscopy, July 1996, pp. 69-77, Vol. 183, Pt. 1	

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